



*Alameda County Congestion Management Agency*

# Capital Expenditure Program Quarterly Report

**CEP 2005 3<sup>rd</sup> Quarter**



## ALAMEDA COUNTY CONGESTION MANAGEMENT AGENCY

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November 14, 2005

**TO:** Alameda County Congestion Management Agency (CMA) Board Members

**SUBJECT: Capital Expenditure Program – 2005 Third Quarter Report**

Dear Board Members:

Enclosed please find the Report for the Third Quarter of 2005 (07/01/2005 – 09/30/2005) for the CMA Capital Expenditure Program.

The CMA is responsible for the delivery of a Capital Expenditure Program (CEP) that includes a wide variety of transportation projects geared to provide congestion relief in Alameda County. These projects are funded through a variety of fund sources including Regional Measure 2, Measure B and other state and federal fund sources. This first CEP Quarterly Report provides information on current project delivery efforts for CMA implemented and/or sponsored projects (Group 1). It is anticipated that future reports will provide information for projects which are co-sponsored by the CMA (Group 2).

The objective of the CEP Quarterly Report is to provide up to date information on each active project to the CMA Board, key project stakeholders, and the public. The reports will include an Alameda County map showing the location of Capital Projects by Planning Area, and will include individual project fact sheets with information on:

- Project status & description
- Funding & Cost estimates
- Project schedule
- CMA Project Manager
- Project graphics and/or photos

The information in this report is based on the most recent information available to the CMA. If you have any questions, please contact me at (510) 836-2560.

Sincerely,

A handwritten signature in cursive script, appearing to read "Frank R. Furger".

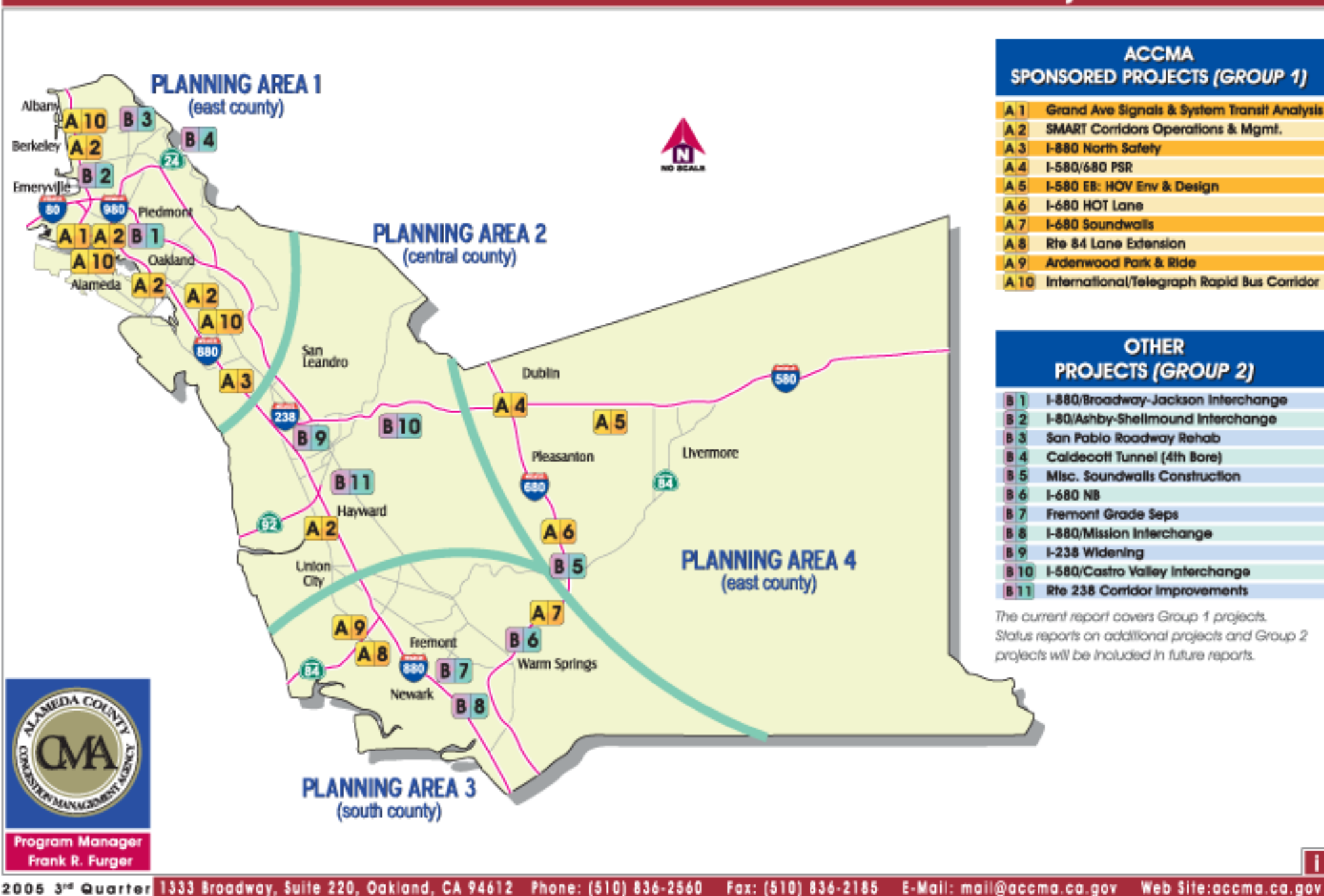
Frank R. Furger  
Deputy Director, Programming & Projects



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# Alameda County Congestion Management Agency Capital Expenditure Program (CEP)

## ACCMA Project Locations





# A-1: Grand Ave Signals & System Transit Analysis



## Project Status

The Goals & Objectives of the project, previously stated as *"to improve transit and traffic operations and increase transit ridership"*, are being refined by stakeholders. Inventory and evaluation of the existing conditions is underway concurrently in support of the Transit Study and Transit Signal Priority deployment.

## Project Description

Modify signalized intersections on Grand/MacArthur corridor between 106th Avenue and Bay Bridge to improve traffic control infrastructure and transit operations. Provide recommendations for improving transit operations and ridership on AC Transit's NL route by increasing travel speed, bus stop locations and layouts, service strategies and requirements, and pedestrian connectivity strategies. Design and construct intersection improvements and deploy Transit Signal Priority (TSP) equipment to support the recommended service strategies.

## Expenditure Plan Description

Additional funding sources may be required to construct all phased improvements for this project.

## Funding Estimates

Fund Source	FY	Amount
RM2	04/05	\$50,000
RM2	05/06	\$1,750,000
TFCA	05/06	\$205,000
RM2	06/07	\$1,715,000
Total:		\$3,720,000

## Cost Estimates

Description	Amount
ENV/PE/PA&ED	\$975,000
Design	\$125,000
Construction & Construction Support	\$2,620,000
2005 \$ Total:	\$3,720,000

## Project Schedule

Phase Description	Begin	End	04	05	06	07
Planning/Scoping	1/05	7/05				
Preliminary Engineering and Environmental	8/05	12/05				
Right-of-Way	1/06	4/06				
Construction	5/06	4/07				

## Project Sponsor: ACCMA

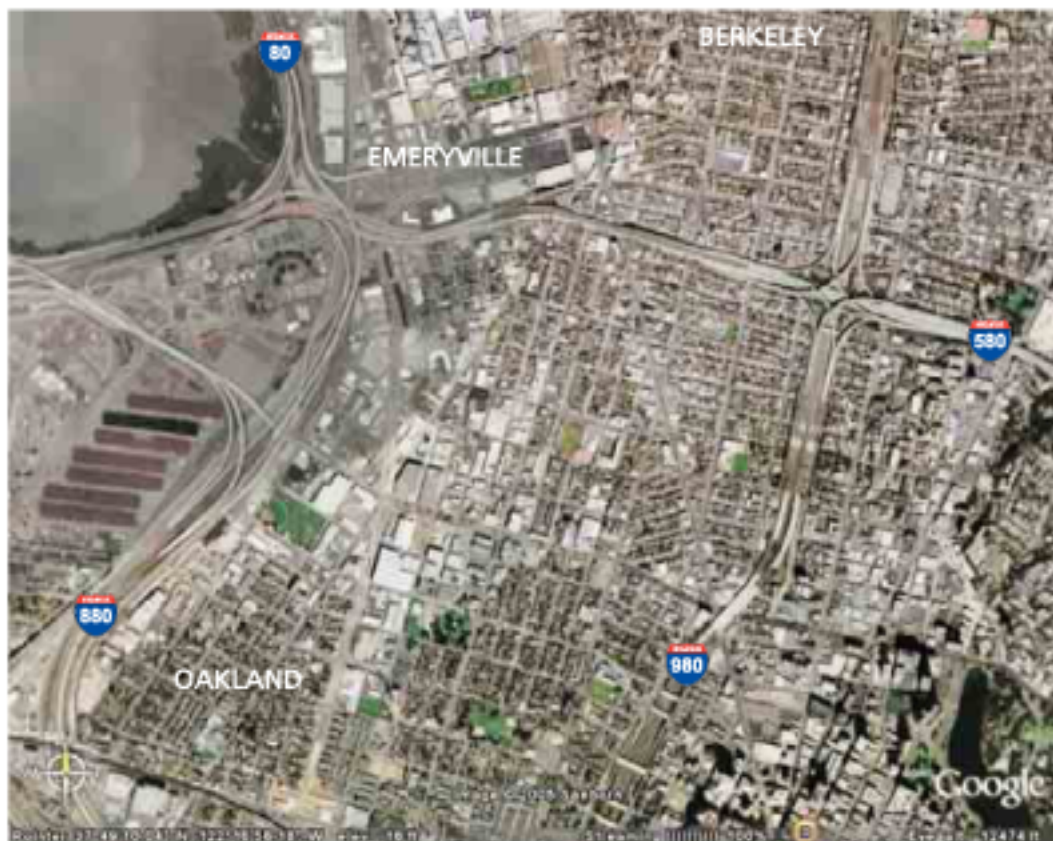
Project Manager: Cyrus Minoofar (510) 836-2560

## Co-Sponsor: AC Transit

Contact: Anthony Bruzzone (510) 891-7175



## A-1: Grand Ave Signals & System Transit Analysis





## A-2: SMART Corridors Operations & Mgmt.



### Project Status

The operations and management of SMART Corridors is now in its fifth year. Overall the system has been stable and service and solution providers are quickly responding to any issues that appear and to support participating agencies. ACCMA is continually making performance upgrades and enhancements to the Corridors software, Transportation management Center hardware (TMC) and field devices. Information for analysis of traffic congestion and patterns are being collected based on requests and input from partnering agencies.

### Project Description

The program consists of three major corridors in the East Bay - I-80 corridor (San Pablo Avenue), Telegraph Avenue corridor, and the I-880 corridor (Hesperian/International/E. 14th Boulevard). The purpose of the program is to plan and implement a multi-modal Advanced Transportation Management System (ATMS) along these and the I-880 corridors. Due to its success, the program has evolved into a multi-year, multi-phase Intelligent Transportation System (ITS) program, implementing several major infrastructure improvements in the corridors, and has contributed to forming and strengthening interagency coordination and cooperation.

### Expenditure Plan Description

The SMART Corridors Program O&M funding is provided by several different funding sources, among them local and federal agencies. The majority of expenditures on this project is of recurring nature or related to ongoing maintenance and management of the system. Stakeholders contribute funding based on a prorated formula. CMA staff is evaluating the option for funding budget shortfall to sustain ongoing O&M.

### Funding Estimates

Fund Source	FY	Amount
Federal	00-05	\$1,600,000
Local	02-05	\$1,000,000
State	00-05	\$200,000
Total:		\$2,800,000

### Cost Estimates

Description	Amount
Operations & Management (Construction)	\$2,800,000
2005 \$	Total: \$2,800,000

### Project Schedule

Phase Description	Begin	End	03	04	05	06	07	08	09	10
Operations & Management	02/03	>								

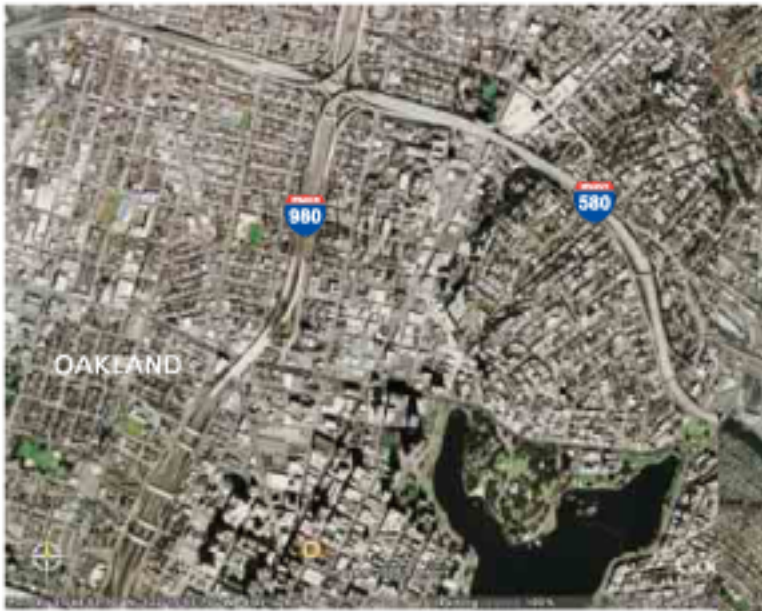
**Project Sponsor: ACCMA**

**Co-Sponsor: 25 Local Agencies**

Project Manager: Cyrus Minoofar (510) 836-2560



## A-2: SMART Corridors Operations & Mgmt.







## A-3: I-880 North Safety Improvements



### Project Status

Consultant has been selected and project development is underway.

### Project Description

To provide operational and safety improvements to NB I-880 at 29th Ave by reconfiguring the on- and off-ramps, as well as mitigate noise impacts of the facility. The project will provide additional storage and deceleration distances to the off-ramp. This will minimize the queue spillback and resultant speed changes to the mainline. The mitigating soundwalls will reduce noise impacts to an elementary school and residences in the Jingletown neighborhood.

### Expenditure Plan Description

RM2 funds to be used for PA&ED, Design, R/W and Construction. Uncommitted funding needed for Construction phase.

### Funding Estimates

Fund Source	FY	Amount
RM2		\$10,000,000
Federal Funds		\$2,000,000
STIP (uncommitted)		\$2,800,000
Total:		\$14,800,000

### Cost Estimates

Description	Amount
PA&ED	\$1,100,000
Design	\$1,500,000
R/W	\$3,300,000
Construction	\$8,900,000
2005 \$	Total: \$14,800,000

### Project Schedule

Phase Description	Begin	End	03	04	05	06	07	08	09	10
Preliminary Engineering and Environmental	1/05	6/07								
Design	7/07	12/08								
Right-of-Way	10/07	12/08								
Construction	1/09	4/10								

### Project Sponsor: ACCMA

Project Manager: Matt Todd (510) 836-2560

A-3: I-880 North Safety Improvements







## A-4: I-580/680 Interchange Modifications



### Project Status

Project is in the scoping phase. A PSR will be prepared by Caltrans District 4 Advance Planning with a consultant support team provided by the ACCMA.

### Project Description

Define feasible alternatives for interchange improvements and modifications at I-580/I-680 in Dublin/Pleasanton with emphasis on HOV direct connector structures from 580 WB to 680 SB, and from 680 NB to 580 EB.

### Expenditure Plan Description

Scoping phase will be funded by RM2. Project funding plan is not fully developed, as project is not fully scoped.

### Funding Estimates

Fund Source	FY	Amount
RM2	2005	\$2,000,000
Total:		\$2,000,000

### Cost Estimates

Description	Amount
Scoping Phase (PSR)	\$2,000,000
2005 \$	Total: \$2,000,000

### Project Schedule

Phase Description	Begin	End	01	02	03	04	05	06	07	08
Planning/Scoping	6/05	12/06								
Preliminary Engineering and Environmental	N/A	N/A								
Final Engineering/Plans, Specifications	N/A	N/A								
Construction	N/A	N/A								

### Project Sponsor: ACCMA

Project Manager: Stefan Garcia (510) 836-2560

### Co-Sponsor: Caltrans

Contact: Richard Cho (510) 286-5530

A-4: I-580/680 Interchange Modifications







## A-5: I-580 Eastbound HOV Project



### Project Status

Preparation of an eastbound only environmental document (ND/FONSI), Preliminary Engineering and at-risk Design are currently underway.

### Project Description

Construct eastbound HOV Lane from Hacienda Drive to Greenville Overhead in the Livermore Valley, as well as auxiliary lanes and associated roadway improvements.

### Expenditure Plan Description

TCRP funds will be used as available to complete the PA&ED and Design phases. Construction will be funded by a combination of TCRP/STIP/ACTIA/RM2. Should TCRP funding be unavailable, work will proceed as supplemented by additional corridor funds from RM2.

### Funding Estimates

Fund Source	FY	Amount
TCRP	2000	\$25,000,000
STIP	2006	\$25,000,000
RM2	2004	\$9,400,000
Fed Demo	2007	\$15,600,000
<b>Total:</b>		<b>\$75,000,000</b>

### Cost Estimates

Description	Amount
PA&ED	\$7,000,000
Design	\$6,000,000
Construction	\$56,000,000
Construction Support	\$6,000,000
<b>2005 \$</b>	<b>Total: \$75,000,000</b>

### Project Schedule

Phase Description	Begin	End	01	02	03	04	05	06	07	08	09
Planning/Scoping	1/00	6/01									
Preliminary Engineering and Environmental	8/01	8/06									
Final Engineering/Plans, Specifications	3/06	2/07									
Construction	3/07	6/09									

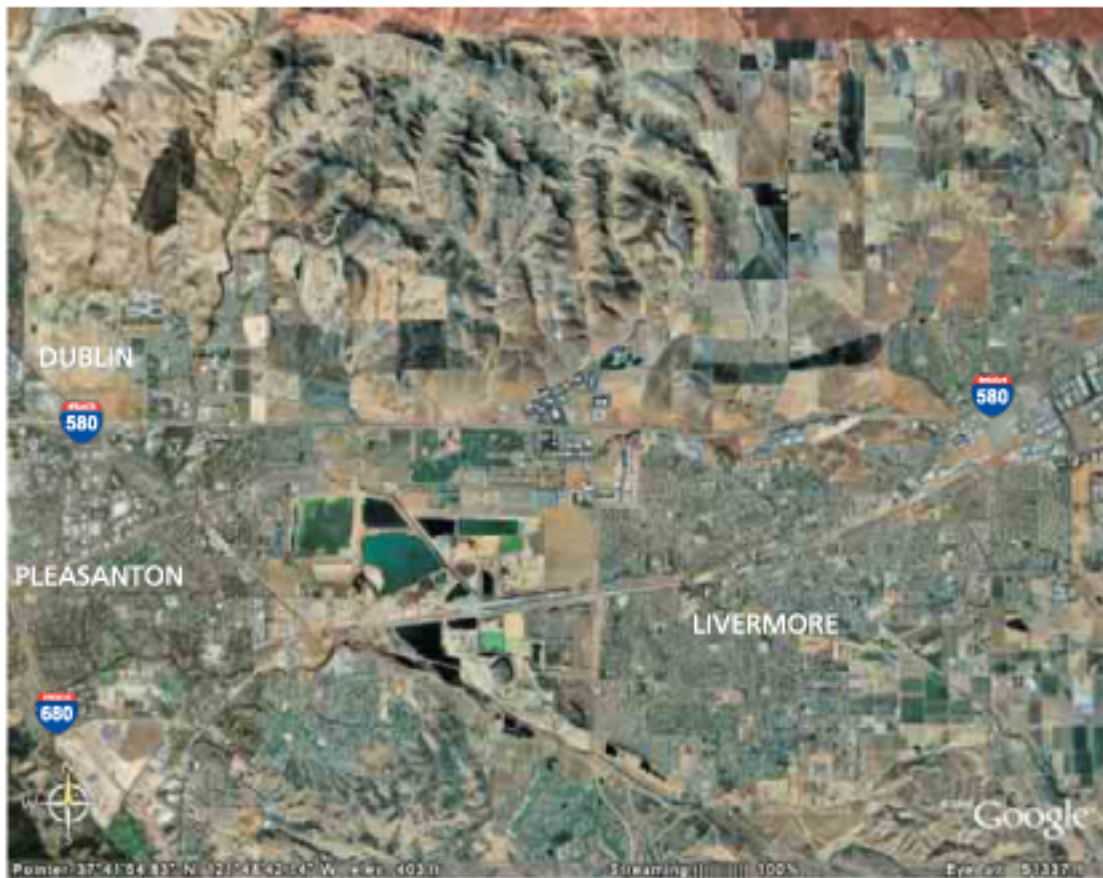
### Project Sponsor: ACCMA

Project Manager: Stefan Garcia (510) 836-2560

### Co-Sponsor: Caltrans

Contact: Issa Bouri (510) 286-5220

## A-5: I-580 Eastbound HOV Project







## A-6: I-680 HOT Lane



### Project Status

A Value Pricing Study was completed. State legislative authorization for Express Lanes in the I-680 Corridor has been secured. Preliminary engineering, environmental studies and design efforts are underway for the SB HOT Lane Pilot Project. A Project Specific Funding Agreement for preliminary engineering, environmental documentation, and a portion of the design for the southbound pilot project has been executed with the ACCMA. Based on the results of the Southbound HOT Lane Pilot Project, future HOT Lane Corridor improvements will be defined.

### Project Description

The project will construct improvements to provide Express Lanes along I-680 from Route 84 to Santa Clara County. Express lanes would allow carpools to travel free of charge and would charge a toll for low occupancy vehicles to use the excess capacity in the Express Lanes. Implementation of the Express Lane project is coupled with the Caltrans I-680 High Occupancy Vehicle (HOV) Lane project.

### Expenditure Plan Description

To be provided in future report.

### Funding Estimates

Fund Source	FY	Amount
SCL-STIP		\$1,800,000
Federal-VPPP		\$734,000
Federal Earmark		\$2,000,000
ACCMA		\$47,500
SCVTA		\$453,000
ACTIA*		\$16,764,500
<b>Total:</b>		<b>\$21,799,000</b>

\* ACTIA contribution may decrease if additional Fed Earmark (up to \$8 M) is obtained.

### Cost Estimates

Description	Amount
Scope	\$364,000
PE/Environmental	\$1,787,000
Design	\$3,240,000
Construction	\$10,031,000
Equip. Purchase	\$6,377,000
<b>2005 \$</b>	<b>Total: \$21,799,000</b>

### Project Schedule

Phase Description	Begin	End	04	05	06	07	08	09
Planning/Scoping	2/04	6/05						
Preliminary Engineering and Environmental	10/04	10/05						
Final Engineering/Plans, Specifications	6/05	11/06						
Right-of-Way	6/05	11/06						
Construction	11/06	12/09						

### Project Sponsor: ACCMA

Project Manager: Jean Hart (510) 836-2560

### Co-Sponsor: Caltrans

Contact: Emily Landin-Lowe (510) 286-5124

## A-6: I-680 HOT Lane







## A-7: I-680 Soundwalls



### Project Status

Project Construction is underway and scheduled to be completed in October 2005.

### Project Description

This project consists of constructing 10-foot to 16-foot soundwalls along the I-680 corridor within Fremont and Milpitas city limits. This project is one of the components of the overall I-680 Corridor Improvements. This project involves the construction of twelve (12) masonry-block soundwalls on top of either pile caps or retaining wall on spread footings.

### Expenditure Plan Description

This project is being constructed with the combination of federal, state and local funds. Environmental clearance was funded through a corridor environmental document.

### Funding Estimates

Fund Source	FY	Amount
STIP		\$10,887,000
Federal Funds		\$2,226,000
Local Funds		\$2,117,000
<b>Total:</b>		<b>\$15,230,000</b>

### Cost Estimates

Description	Amount
PS&E	\$1,560,000
Right-of-Way	\$970,000
Construction	\$12,700,000
<b>2005 \$</b>	<b>Total: \$15,230,000</b>

### Project Schedule

Phase Description	Begin	End	00	01	02	03	04	05
Preliminary Engineering and Environmental		9/00						
PS&E	6/01	10/03						
Construction	4/04	10/05						

### Project Sponsor: ACCMA

Project Manager: Matt Todd (510) 836-2560

### Co-Sponsor: Caltrans

Contact: Emily Landin-Lowe (510) 286-5124

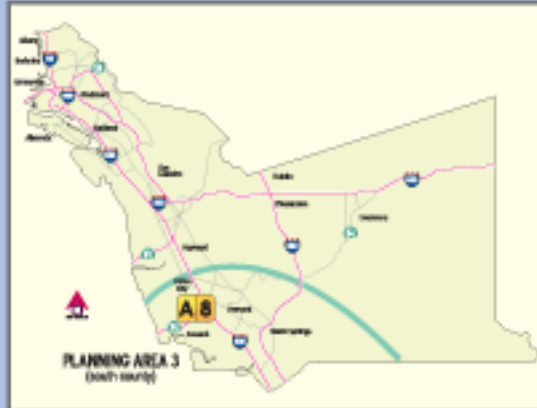
## A-7: I-680 Soundwalls







## A-8: Rte 84 HOV Lane Extension



### Project Status

Environmental documentation completed in June 2003. Design scheduled to be completed by the end of 2005.

### Project Description

The project will extend the westbound HOV lane on Route 84 from Newark Blvd to I-880. This will be accomplished by widening in the median area, adding a concrete barrier and realigning the freeway. The project will also include modification of the I-880 off-ramp to provide an HOV bypass lane to provide a better connection to the extended HOV lane.

### Expenditure Plan Description

Caltrans has STIP funds programmed to the project development phase of the project. ACCMA and Caltrans are coordinating a plan to fund the capital phase of the project

### Funding Estimates

Fund Source	FY	Amount
STIP		\$1,800,000
RM2		\$6,000,000
Total:		\$7,800,000

### Cost Estimates

Description	Amount
Environmental/PE	\$295,000
PS&E	\$1,330,000
Right-of-Way	\$35,000
Construction	\$6,170,000
2005 \$	Total: \$7,830,000

### Project Schedule

Phase Description	Begin	End	01	02	03	04	05	06	07	08
Preliminary Engineering and Environmental	4/02	6/03								
Final Engineering/Plans, Specifications	10/04	11/05								
Right-of-Way	10/04	9/05								
Construction	4/06	12/07								

### Project Sponsor: ACCMA

Project Manager: Matt Todd (510) 836-2560

### Co-Sponsor: Caltrans

Contact: Ron Klaana (510) 286-4193

## A-8: Rte 84 HOV Lane Extension







## A-9: Rte 84 Ardenwood Park & Ride



### Project Status

Project is in the final stages of the PA&ED phase with the ED approved in August 05. Immediately following the approval of the ED (CE), a request was made to the MTC for an allocation to fund the ROW and Design phases.

### Project Description

Acquire ROW and construct a Park & Ride commuter lot at the NW quadrant of SR-84/Ardenwood Blvd. interchange. The new lot will be adjacent to, and connected with, an existing Park & Ride lot owned by Caltrans. The intent of the final project is to consolidate both lots into one unified lot, to be owned, operated and maintained by AC Transit.

### Expenditure Plan Description

Project is fully funded by RM2.

### Funding Estimates

Fund Source	FY	Amount
RM2	2005	\$120,000
RM2	2006	\$1,430,000
RM2	2007	\$1,550,000
Total:		\$3,100,000

### Cost Estimates

Description	Amount
PA&ED	\$150,000
Right-of-Way	\$1,200,000
Design	\$290,000
Construction	\$1,460,000
2005 \$	Total: \$3,100,000

### Project Schedule

Phase Description	Begin	End	01	02	03	04	05	06	07	08
Preliminary Engineering and Environmental	1/05	9/05								
Final Engineering/Plans, Specifications	11/05	9/06								
Right-of-Way	11/05	3/06								
Construction	5/06	6/07								

**Project Sponsor:** ACCMA

Project Manager: Stefan Garcia (510) 836-2560

**Co-Sponsor:** AC Transit

Contact: Anthony Bruzzone (510) 891-7175

Alameda County Congestion Management Agency Capital Expenditure Program (CEP)

A-9: Rte 84 Ardenwood Park & Ride







# A-10: International/Telegraph Rapid Bus Corridor



## Project Status

Construction contracts for 34<sup>th</sup> Ave., Telegraph Ave., Broadway, and International Blvd. have been awarded. Initial stages of construction have begun and field equipment is being shipped by vendors.

34th	complete
Broadway	50% complete
Telegraph	15% complete
E. 14th	NTP issued

## Project Description

The International-Telegraph corridor is approximately 20 miles long and starts at the UC Berkeley campus, runs south on Telegraph, down to Broadway in Oakland and onto International/E. 14th, and ends at Bay Fair Mall/BART in San Leandro. The corridor is the latest project within the SMART Corridors Program, and is a continuation of the successful collaboration between ACCMA, AC Transit, and local cities, implementing Rapid Bus lines along major transit corridors. The project will add SMART Corridors components and transit signal priority (TSP) as well as traffic signal modifications for AC Transit's new Rapid Bus line along the corridor.

## Expenditure Plan Description

The majority of funding for the INTEL project is provided by RM2 and Measure B funds, with AC Transit as the sponsor. AC Transit is also providing a small amount of federal funding for the project. In addition to the funding from AC Transit, ACCMA is providing CMA TIP funds as well as funding through several TFCA grants. Because the project includes federal funding, all procurement and contracting has been done following federal guidelines. Funding through AC Transit will primarily pay for Rapid Bus enhancements, while CMA TIP will fund Corridor enhancements, and TFCA will provide TSP hardware.

## Funding Estimates

Fund Source	FY	Amount
AC Transit (Local)	04-06	\$12,350,000
AC Transit (Fed/ Fed FTA)	04-06	\$700,000
CMA TIP	04-06	\$4,500,000
TFCA	04-06	\$1,395,000
<b>Total:</b>		<b>\$18,945,000</b>

## Cost Estimates

Description	Amount
Design	\$2,900,000
Construction & Construction Support	\$16,045,000
<b>2005 \$</b>	<b>Total: \$18,945,000</b>

## Project Schedule

Phase Description	Begin	End	04	05	06
Planning/Scoping	11/04	1/05			
Preliminary Engineering and Environmental	1/05	6/05			
Final Engineering/Plans, Specifications	3/05	8/05			
Construction	7/05	12/06			

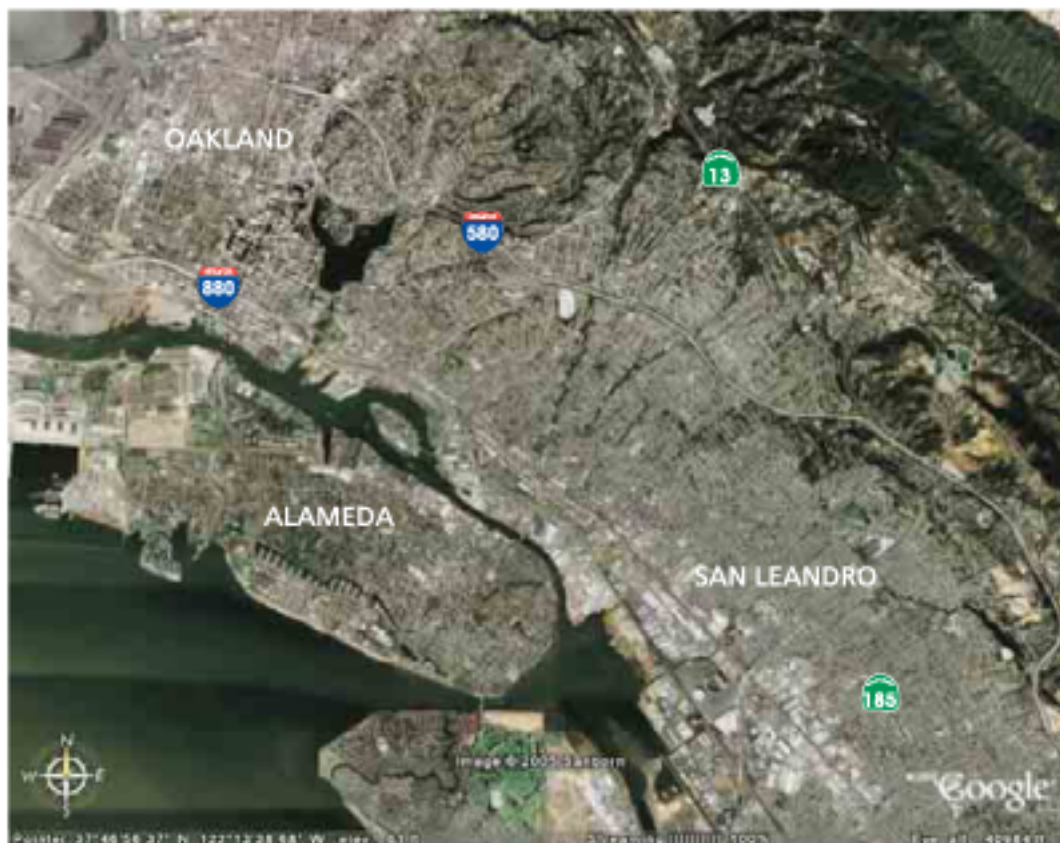
## Project Sponsor: ACCMA

Project Manager: Cyrus Minoofar (510) 836-2560

## Co-Sponsor: AC Transit

Contact: Jon Twichell (510) 891-4801

## A-10: International/Telegraph Rapid Bus Corridor





# Glossary of Acronyms and Definitions

## A

ABAG	Association of Bay Area Governments
ACCMA	Alameda County Congestion Management Agency
AC	Advance Construction
ACE	Altamont Commuter Express
ACTA	Alameda County Transportation Authority
ACTIA	Alameda County Transportation Improvement Authority
AC Transit	Alameda Contra Costa Transit District
ADA	Americans with Disabilities Act
at grade crossing	Crossing of travel paths which intersects at the same grade (elevation), thereby permitting only one direction of travel through the crossing at a time.

auxiliary lane	An additional travel lane built for a specific travel movement, such as a merge or a turn, rather than a general road widening.
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## B

BAAQMD	Bay Area Air Quality Management District
BART	Bay Area Rapid Transit
BATA	Bay Area Toll Authority

## C

Capital Project	A construction project implemented and/or funded by CMA in whole or in part.
CCTV	Closed Circuit Television (camera)
CE	Categorical Exclusion (type of environmental clearance)
CEP	Capital Expenditure Program
CEQA	California Environmental Quality Act
CMA TIP	Alameda County Congestion Management Agency Transportation Improvement Program

CMA's	Congestion Management Agencies
CMAQ	Congestion Mitigation and Air Quality Improvement Program (federal fund source).
CMP	Congestion Management Program
CTC	California Transportation Commission
CWTP	Countywide Transportation Plan (prepared by CMA)

## D

DEIR	Draft Environmental Impact Report
DEIS	Draft Environmental Impact Statement
DEMO	Federal Demonstration Funds

## E

ED	Environmental Document
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
EVP	Emergency Vehicle Pre-emption

## F

FEIR	Final Environmental Impact Report
FEIS	Final Environmental Impact Statement
FHWA	Federal Highway Administration
FONSI	Finding of No Significant Impact
FTA	Federal Transit Administration
FFY	Federal Fiscal Year (October 1 through Sept 30)
FY	Fiscal Year (July 1 through June 30)

# Glossary of Acronyms and Definitions

## G

Blank

## H

HIP Housing Incentive Program  
HOT High Occupancy/Toll Lane  
HOV High Occupancy Vehicle lane, used by buses and carpools.

## I

I/C or IC Interchange  
ISTEA Intermodal Surface Transportation Efficiency Act of 1991.  
ITIP Interregional Transportation Improvement Program  
ITS Intelligent Transportation System

## J

Blank

## K

Blank

## L

LAVTA Livermore Amador Valley Transit Agency  
LOS Level of Service

## M

MPO Metropolitan Planning Organization  
MTC Metropolitan Transportation Commission.  
MTS Metropolitan Transportation System  
MVDS Microwave Vehicle Detection System

## N

NEPA National Environmental Policy Act  
NOD Notice of Determination  
NTP Notice to Proceed

## O

O & M Operations & Management

## P

PA & ED Project Approval & Environmental Document  
PE Preliminary Engineering  
PEF Project Expenditure Forecast  
PES Preliminary Environmental Studies  
Prop 42 Proposition 42 passed by California voters earmarking certain revenues related to the sales of gasoline for transportation purposes.  
PS&E Plans Specifications and Estimates  
PSR Project Study Report  
PR Project Report  
PTA Public Transportation Account (State fund source)

## Q

Blank



# Glossary of Acronyms and Definitions

## R

RM1	Regional Measure 1 - A November 1988 ballot measure which raised specific bridge toll limits to fund specific bridge corridor improvements. The Bay Area Toll Authority administers these funds.
RM2	Regional Measure 2 - A March 2004 ballot measure which raised State-owned bridge toll limits to assist in funding transit operations and transportation projects/progress.
RFP	Request for Proposal
RIP	Regional Improvement Program of transportation funding programmed by the CTC in the STIP based on recommendations from the CMAs.
ROD	Record of Decision
ROW	Right-of-Way
Rte	Route
RTP	Regional Transportation Plan. MTC's twenty five-year plan for transportation projects for the nine-county Bay area.
RTIP	Regional Transportation Improvement Program. MTC's five-year program for the nine-county Bay Area.

## S

SAFETEA-LU	Safe, Accountable, Flexible Efficient Transportation Act: A Legacy for Users
SER	Systems Engineering Report
SCVTA / VTA	Santa Clara Valley Transportation Authority; also abbreviated as VTA.
SHA	State Highway Account. State funding source.
SHOPP	State Highway Operation and Protection Program – State funding source focused on correcting existing safety and operational issues.
SMART Corridor	A network of ITS field elements allowing for remote congestion management
SOV	Single-Occupant Vehicle
SPONSOR	Entity responsible for project development/delivery.
SR	State Route
S RTP	Short Range Transit Plan
STIP	Surface Transportation Improvement Program. The seven-year program of projects utilizing State funds.
STIP/FTA	Surface Transportation Improvement Program – Federal Transit Administration
STIP-TE	Surface Transportation Improvement Program – Transit Enhancement
STP	Surface Transportation Program. A federal fund source under ISTEA.

## T

TAC	Technical Advisory Committee
TBD	To be determined.
TCD	Transit Center Development
TCM	Transportation Control Measure
TCRP	Transportation Congestion Relief Program, a state source of funding.
TDA	Transportation Development Act
TE	Transportation Enhancements ( a type of STIP funding)
TEA	Transportation Enhancement Act- a federal fund source under ISTEA for projects that enhance the transportation experience.
TEA 21	Transportation Equity Act for 21st Century signed into law on June 9, 1998 and was intended to expire at the end of federal fiscal year 2003 (has been extended numerous times).
TIF	Traffic Impact Fees
TIP	Transportation Improvement Program- MTC's three-year program of projects utilizing federal funds or subject to federal required actions.
TLC	Transportation for Livable Communities through MTC
TMC	Transportation or Traffic Management Center
TOD	Transit-Oriented Development
TSP	Transit Signal Priority
TVTC	Tri-Valley Transportation Council

Glossary of Acronyms and Definitions

<b>U</b>	
utility relocation	The relocation of underground and overhead utility lines which would otherwise conflict with new roadway construction.
UPRR	Union Pacific Railroad.
U.S. DOT	United States Department of Transportation
<b>V</b>	
VID	Video Image Detection (camera)
VMT	Vehicle Miles Traveled
VPPP	Federal Highway Administration's Value Pricing Pilot Program
<b>W</b>	
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<b>X</b>	
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<b>Y</b>	
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<b>Z</b>	
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